

1940

SMITH

Material Handling

DEVICES



*Tough, Tested
and Approved*
EQUIPMENT

*Let Smith
Solve Your*

MATERIAL HANDLING PROBLEMS...

The following pages show the variety of labor-saving devices designed and produced by George Smith. The many repeated orders from large industries, railroads, U. S. Navy, etc., prove their widespread approval and efficiency.

If you have any package or material handling problem not dealt with in this catalog, George will welcome your inquiry and furnish you with a solution.



SMITH DEVICES

985 N. Front St.

Philadelphia, Pa.

WALnut 4274

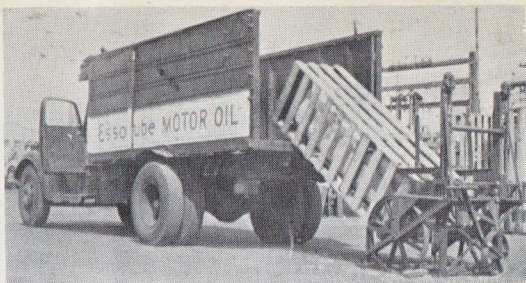
REFER TO 1940 PRICE LIST FOR PRICES

THREE-WHEEL, TWO-ARM STACKER

These pictures show only two out of many such loads that can be handled, with a saving to the company's pocketbook.

One man is handling such loads as shown, weighing up to a thousand pounds. Where labor is scarce, and loads are numerous this truck is a life saver for a one-man warehouse.

Hand power hoist, capacity to suit you.



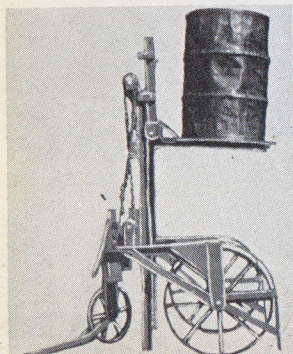
No. 50



No. 50



No. 50



No. 50

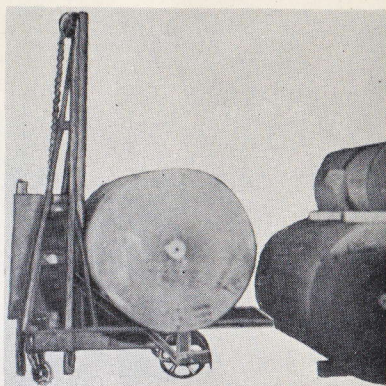


No. 50

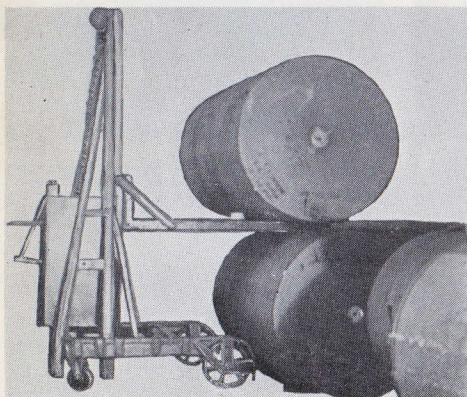
No. 51—A HEAVY DUTY STACKER

No. 52—A LIGHT STACKER

Various types of loads can be taken from the floor and raised to the height required. No head room is lost, as the loads can be raised higher than the truck, as is shown.



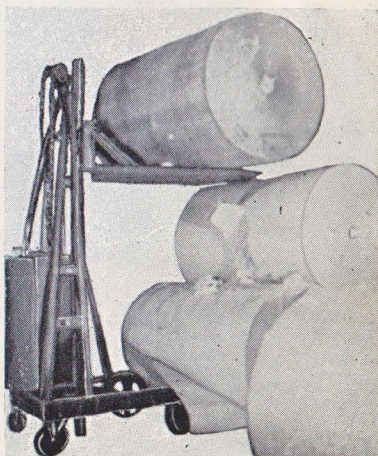
No. 51



No. 51

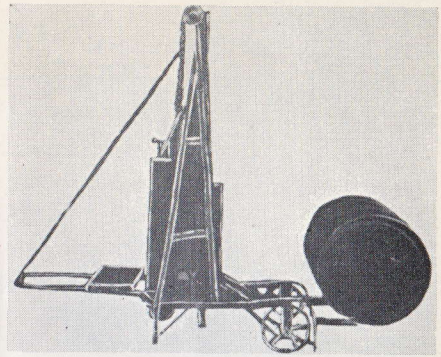
The platform can be furnished with sheet steel ribbed, making a height of 1½" to 2" thick, according to the load, and size of load. This platform goes to the floor, so it is easy to place a load on the platform.

The stacker can be furnished with either an overhead or a platform lift. Dogs, hooks, or clamps can be furnished to handle almost any type of load.

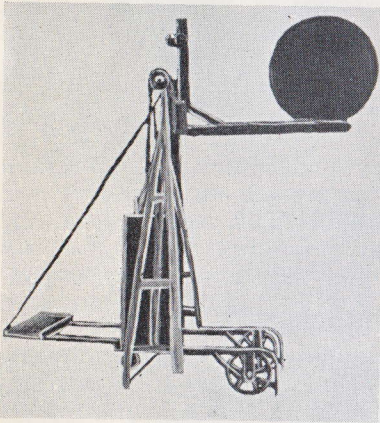


No. 51

Rolls of paper, as shown, can be loaded on the stacker by one man if necessary. Where boxes or cases are handled, a roller platform can be supplied to make it easy to load and unload.

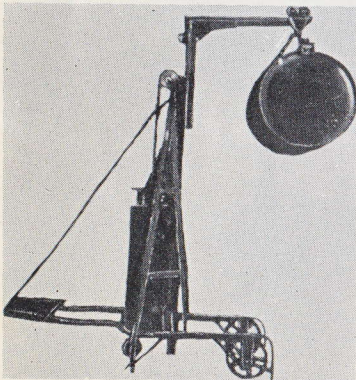


No. 52

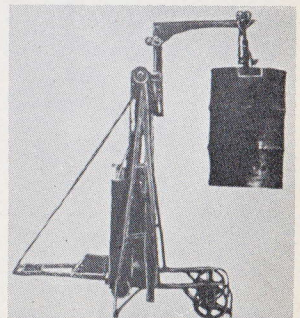


No. 52

An adjustable counterweight is part of the stacker. The handle for pulling and pushing the truck is also used as a counterweight, made so one or two men can stand on the handle, when and where necessary.

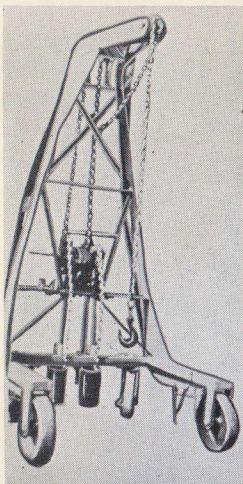


No. 52



No. 52

This stacker takes up very little floor space, and can be moved from place to place with a load.

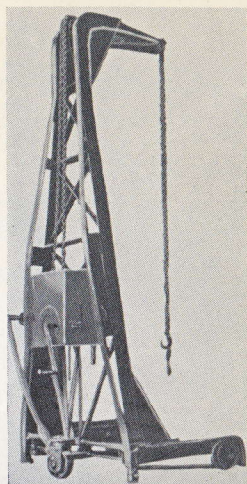


No. 53

THE SMITH GOOSE-NECK TRUCK

Made of all steel, electric welded. No castings used in its construction. Has four roller bearing wheels, two of them swivel, making it easily handled in a close space.

Has a hand power hoist, with high grade chains, same as used on chain hoist.

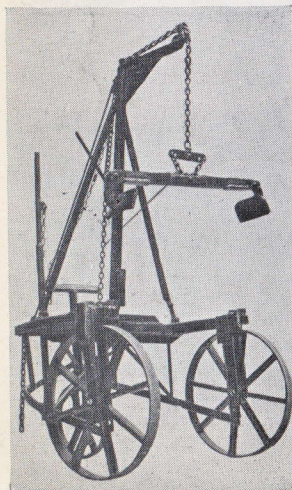


No. 53

Ideal truck for machine shop use, loading or unloading shapers, lathes, planers, and other types of machinery, for assembling machinery and dies, handling motors and engines in automobiles, motor trucks, and aeroplanes.

No. 54—A THREE-WHEEL HAND POWER TRUCK

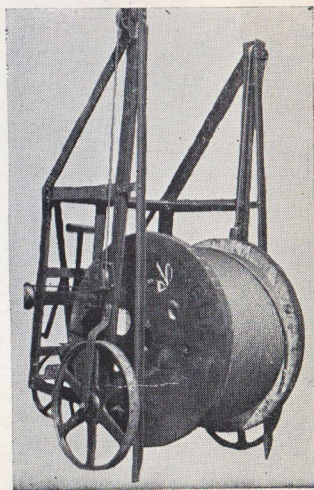
Equipped with hand hoist, designed to handle rolls of paper, cylinders, boxes, crates, bales and bundles on end. Various types of clamps can be furnished with this truck.



No. 54

No. 55—DOUBLE LEAD TRUCK

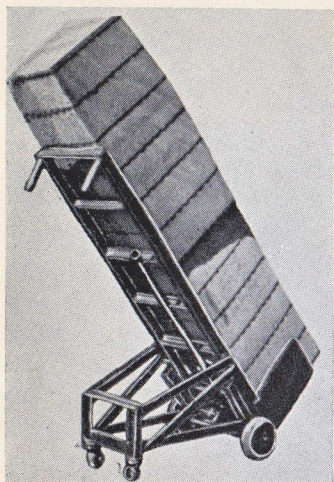
This truck is equipped with a hand hoist, and is just the thing for handling reels of cable or wire, to be unreeled from the spool. State the size of the reel or spool you wish to handle.



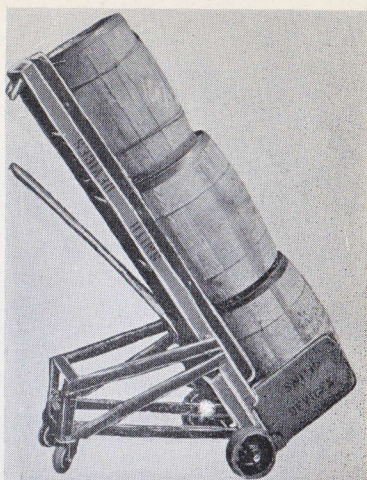
No. 55

A CLAMP TRUCK

To handle boxes, kegs, pails, crates, cartons, and many other types of packages that are usually stacked on top of one another.



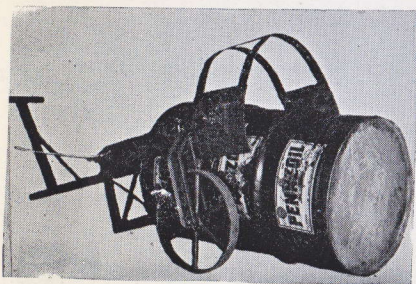
No. 60



No. 60

THE DRUM CLAMP TRUCK

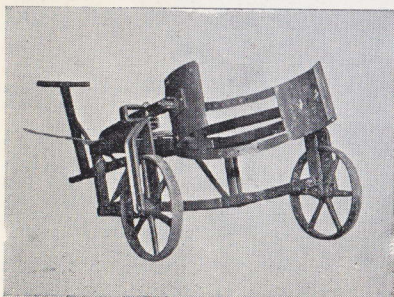
This truck picks a barrel or drum from an upright or horizontal position. It is handy for upending or laying the drum down. It can also be used for draining purposes.



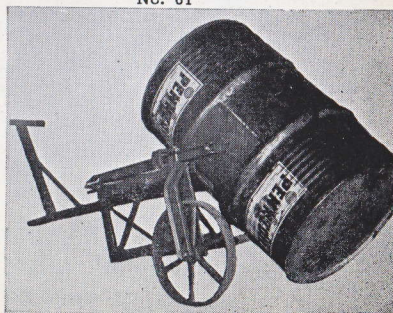
No. 61



No. 61



No. 61



No. 61

THE SMITH HORIZONTAL PAPER and CLOTH ROLL TRUCK

The base of this truck is made to conform with the roll it is to be used on. It is picked up from a horizontal position and transported. Very heavy rolls can be handled safely with this truck, without damage to the roll.

No. 62

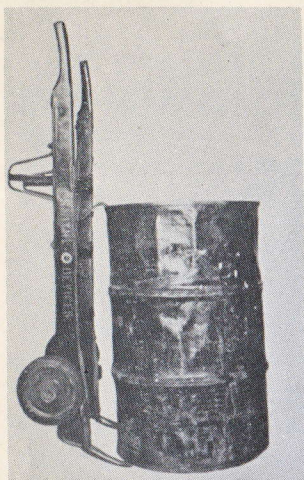
No. 62

No. 63

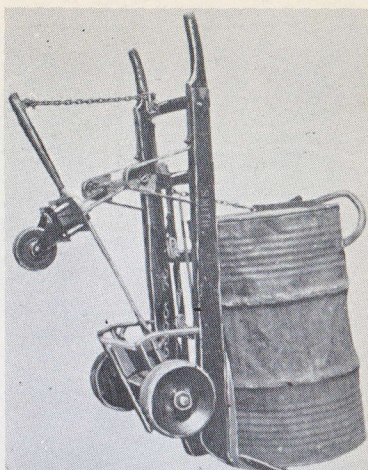
THE SMITH HANDY DRUM AND BARREL TRUCK Nos. 62 and 63 BARREL TRUCK No. 63

This truck is a real labor saver. It is easy on a man's back. It is a safe and easy way to handle drums and barrels. They are picked up from the flat, trucked on the flat, and then unloaded either on the flat as you found them, or up-ended from the truck with very little effort.

No. 63



No. 64



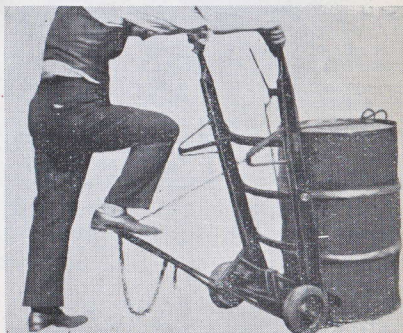
No. 65

A GENERAL WAREHOUSE TRUCK

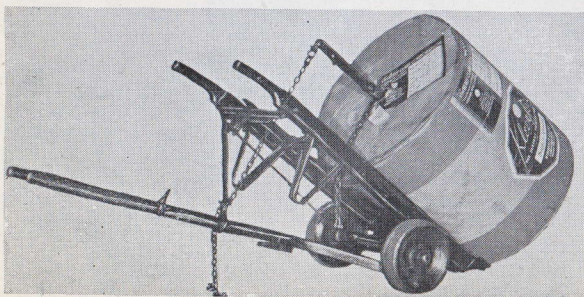
A heavy drum, barrel, box, roll of paper, bale, crate, die block, etc., is handled easily with the Smith Truck. Place the truck as 64, 65, 66 and 67 shows, place the hook, pull the truck back, and take it away. A real good truck for a tough job. Made in several sizes and to suit your requirements.



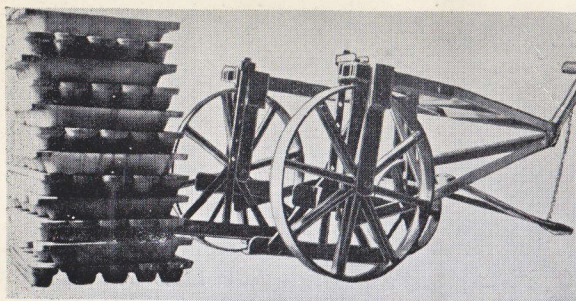
No. 66



No. 66



No. 67

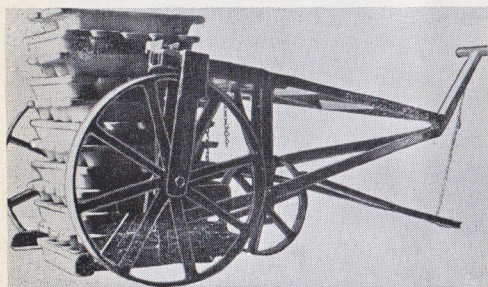


No. 68

SMITH HEAVY DUTY TRUCK

A leverage lifting truck, for handling heavy loads by hand. This truck can be designed to handle many types of material, quickly and easily.

Give full dimensions and weights to be handled if interested in this type of a truck.



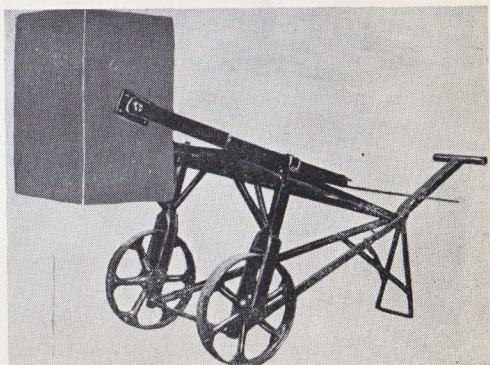
No. 68

No. 69—THE SMITH LIFTING TRUCK

Just the thing for picking packages from the floor and placing them on a skid or platform. Also, for taking them to and from a truck. This method is much quicker and easier. A man will handle 300 lbs. with the No. 1 Truck, and 500 lbs. with the No. 2 Truck. You will like this truck. No. 69.

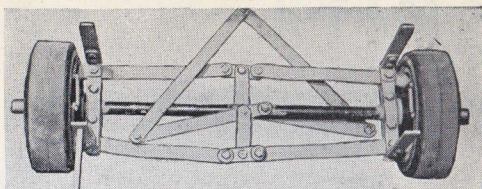


No. 69



No. 69

No. 70—A BRAKE for the flat warehouse truck, the rail push car, the mine car, etc. An extremely powerful brake, operated with a hand or foot control. Furnished with either one or two shoes to the wheel. These brakes can be installed on your present equipment by Smith Devices.

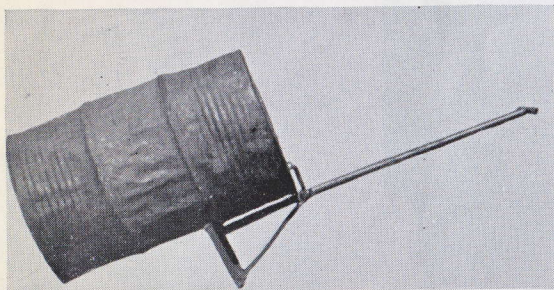


No. 70

No. 71—DRUM, BARREL and BOX TILTER



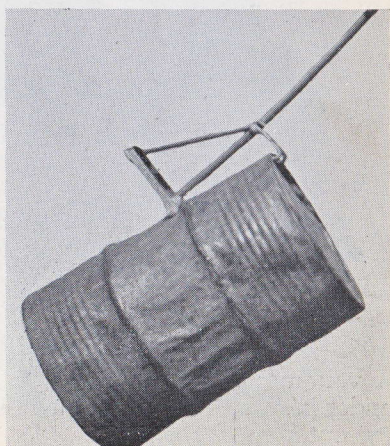
No. 71



No. 71

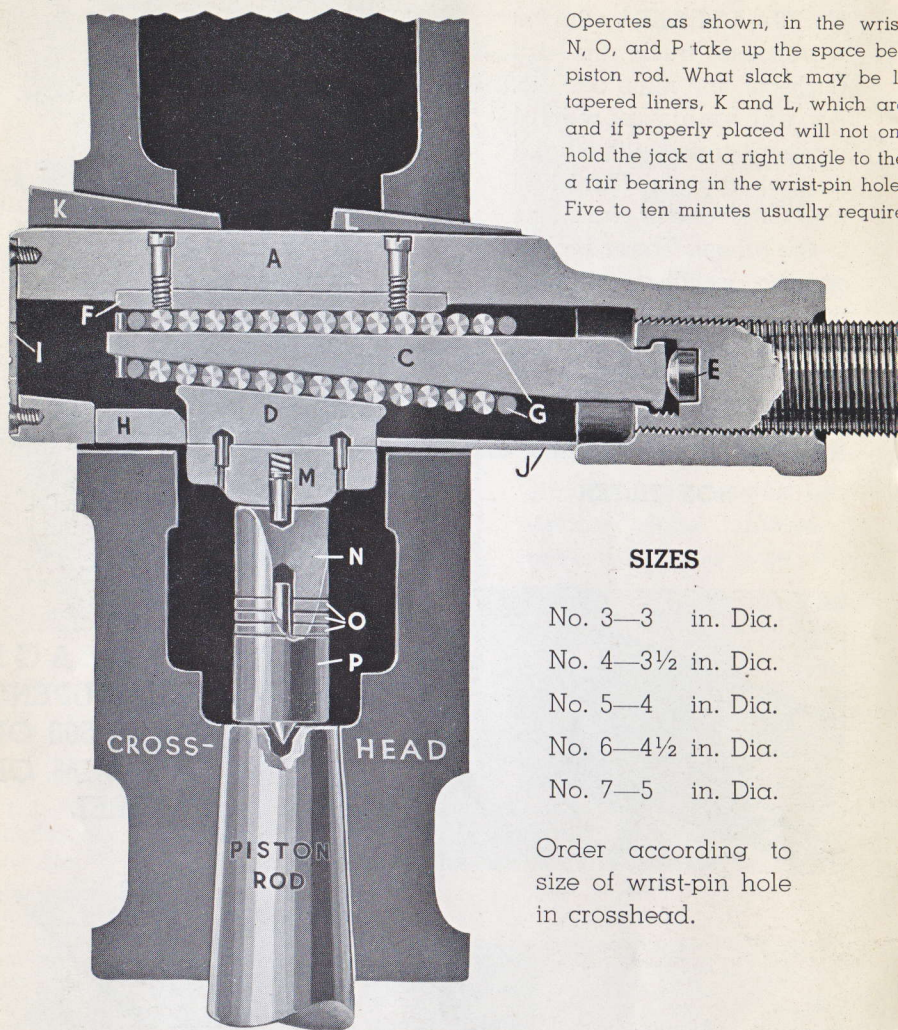
**AN AVERAGE
MAN CAN UPEND
OR TILT A 500 OR
600 LB. DRUM OR
BARREL**

Heavy boxes, barrels and drums that usually require two men to tip over or up-end, can be easily handled by one man using the Smith Tilter.



No. 71

SMITH *Type A* PISTON



Operates as shown, in the wrist pin hole. N, O, and P take up the space between the piston rod. What slack may be left by tapered liners, K and L, which are tapered and if properly placed will not only hold the jack at a right angle to the cylinder but also form a fair bearing in the wrist-pin hole. Five to ten minutes usually require

SIZES

- No. 3—3 in. Dia.
- No. 4—3½ in. Dia.
- No. 5—4 in. Dia.
- No. 6—4½ in. Dia.
- No. 7—5 in. Dia.

Order according to size of wrist-pin hole in crosshead.



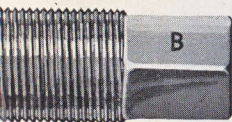
No. 73

BRIDGE JACK

A very powerful jack that can be used for lifting to examine rollers under bridges, opening heavy cast and steel frames for welding, backing out frame bolts, etc.

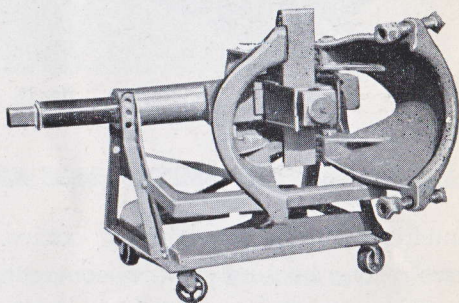
PARTER

pin hole. Filler blocks, between the parter and the it is taken up with the the last to be inserted, y take up all slack and piston rod, but will give to prevent any damage. l to part a rod.



Is Your PISTON PARTER In Service?

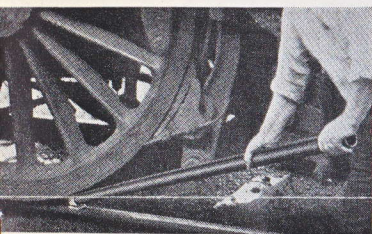
If Not George, the designer and inventor of the Smith Piston Parter, used by most of the railroads, is ready to recondition your old parter by replacing the rollers and frames with new type rollers, which do not have a shoulder. These have been the cause of most of the breakage in the old parter. Or, he will allow you a reasonable amount for your old parter, and give you a new up-to-date jack with the improved roller frame.



No. 75

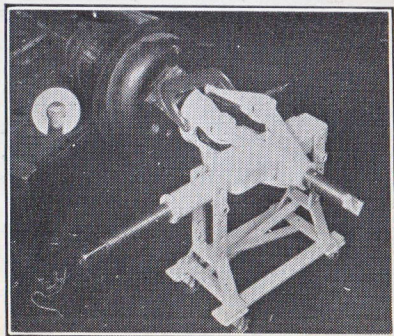
25- TO 200-TON PINION AND GEAR PULLERS

Power plant same as that of the Piston Parter.

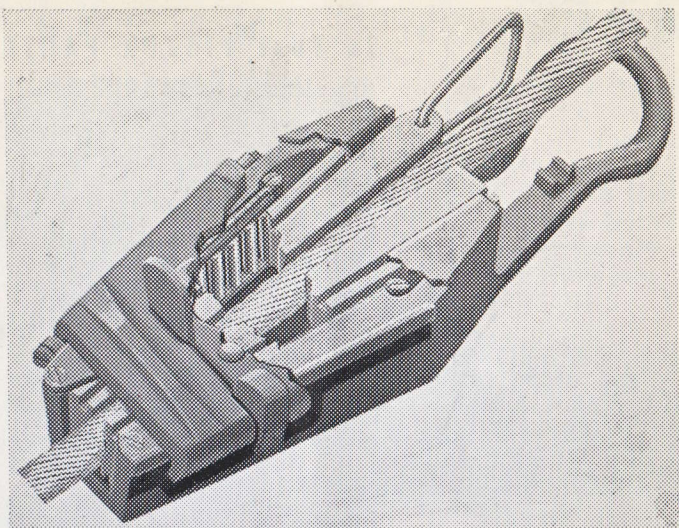


No. 74—LOCOMOTIVE SLIPPING OR JUMPING BAR

To slip a pair of drivers or move a locomotive or tender.



No. 76



No. 78

THE SMITH CABLE AND ROD GRIPS

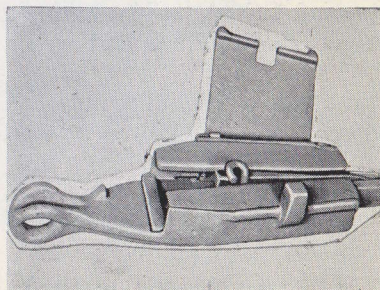
Anti-friction grips for gripping cables, wires, and rods. These grips have a long bearing surface, contacting the cable, wire or rod, which eliminates the danger of defacing or damaging the face of the material.

These grips consist of a body, with or without a lid, wedges and rollers to give a positive grip and prevent slippage.

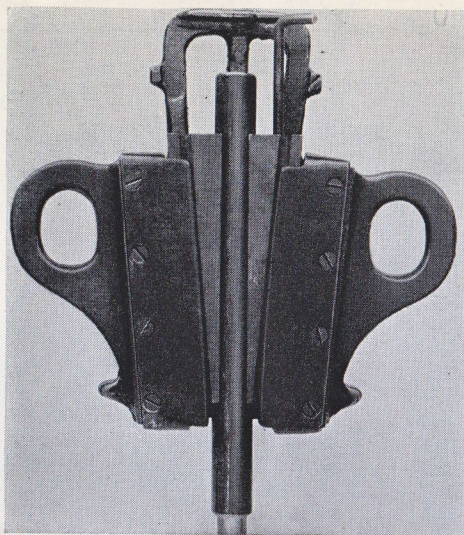
Made in open and closed styles, heavy and light types. Sizes to handle from $\frac{1}{8}$ " to 3" diameter.



No. 79



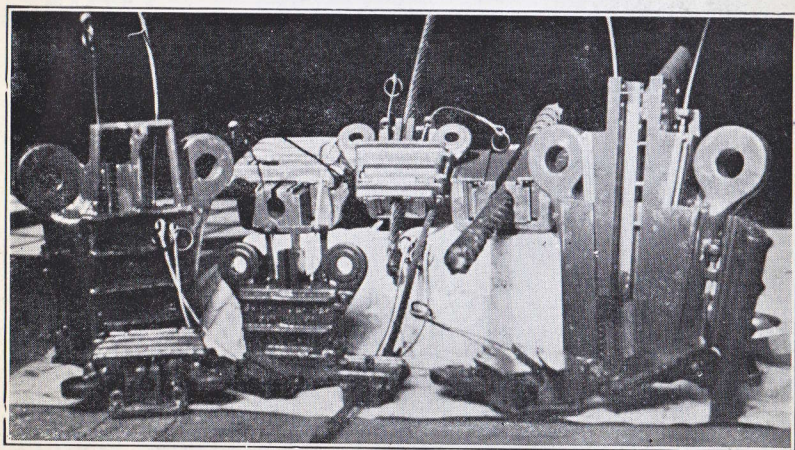
No. 80



No. 81

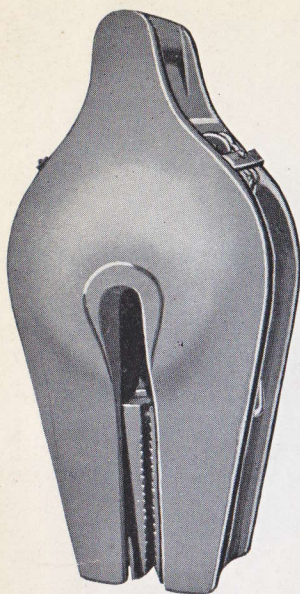
We have received a good many repeated orders from large companies for these grips.

Please state the size and capacity you are interested in, and we will try to give you the grip best suited for your requirements.

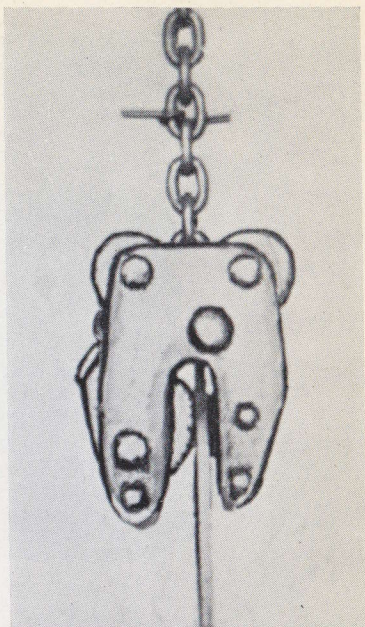


No. 82

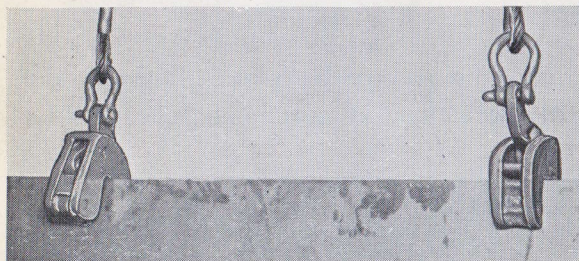
A few of the Grips used on the Golden Gate Bridge, by the Roebling Wire Rope Co. and the American Bridge Co.



No. 83

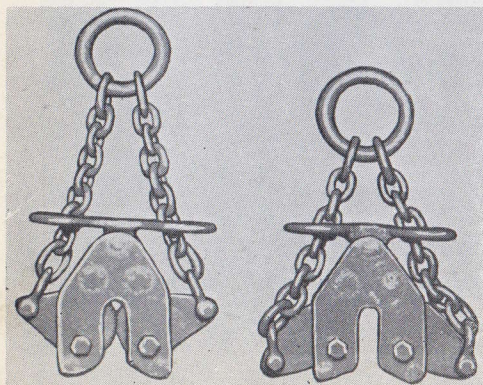


No. 84



No. 85

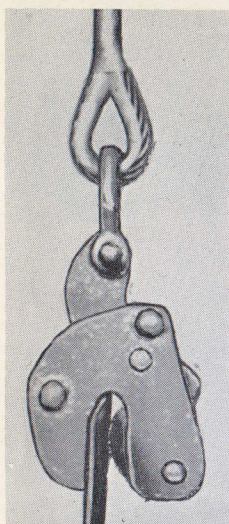
VERTICAL LIFTING PLATE CLAMPS



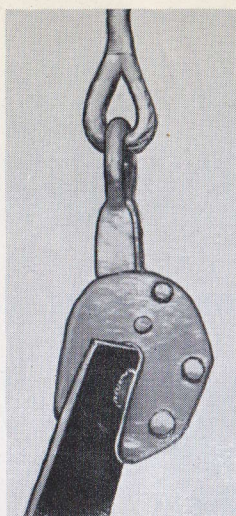
No. 86

Clamps that are in use and have proven to be safe in lifting plates from or to a horizontal position.

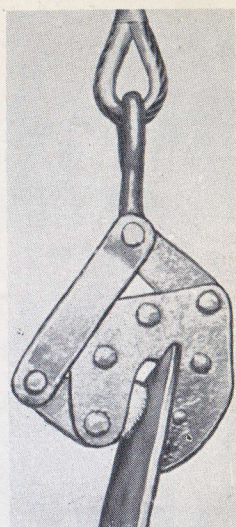
You will find one type or another of these clamps in a good many of the Navy Yards. Ship yards and



No. 87



No. 88



No. 89

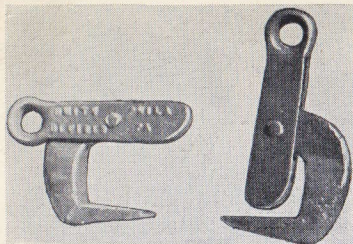
manufacturing plants throughout the United States and some parts of Europe are using these clamps.

First grade steel is used in their construction. The housing is a high tensile steel, made from plates, except that marked No. 85, which is an alloy steel casting. All pins are made of Elastuf Steel, heat treated. Parts contacting the plate are machined with a "V" or diamond cut, face hardened and made of first grade tool steel. Cable of any length can be furnished spliced in the eyes on request.

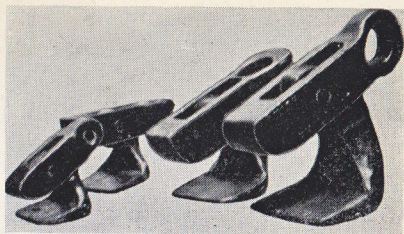
Made in sizes as follows:

0" to ½"	 ½ ton cap.
0" to ¾"	 1 ton cap.
0" to 1"	 2 ton cap.
0" to 1½"	 3 ton cap.
½" to 1½"	 5 ton cap.
1" to 2"	 10 ton cap.

Larger plate sizes on request.



No. 91

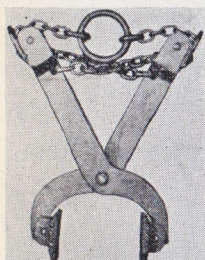


No. 92

HORIZONTAL PLATE CLAMPS

These clamps are now in use in a good many plants throughout the country, who have placed repeated orders for them.

Made from electric steel castings, or high tensile plates, in Light and Heavy Types, in standard or special sizes and capacities.



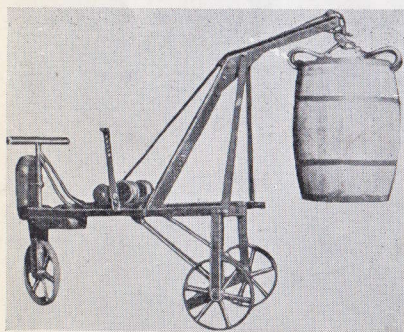
No. 93

TONG CASE GRIP

A special grip, in sizes for handling flat cases on end or edge, such as cases of zinc, copper, tin, etc. State width of case and capacity required.



No. 94



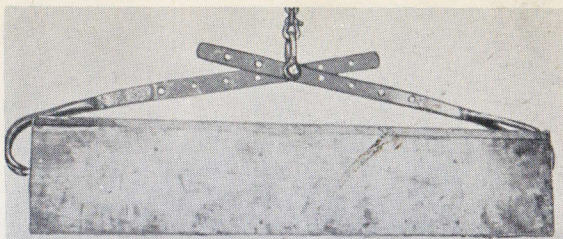
No. 95

AN ADJUSTABLE CLAW GRIP

For handling boxes, barrels, bales and cases. Self adjusting. **Not for use on metal.** Capacity and sizes to suit your requirements.

A VERY GOOD, RELIABLE TONG GRIP

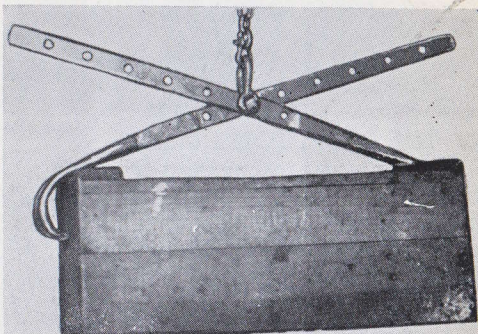
For handling plates vertically. This is a safe grip to use raising or lowering a plate to or from a horizontal position. Can be furnished in practically any size and capacity.



No. 96

THE ADJUSTABLE BOX GRIP

This grip is easily adjusted in length to fit the box, by changing from hole to hole in the bar. It is a good grip for boxes, cases, bales, and bundles. Made to your requirements in size and capacity.



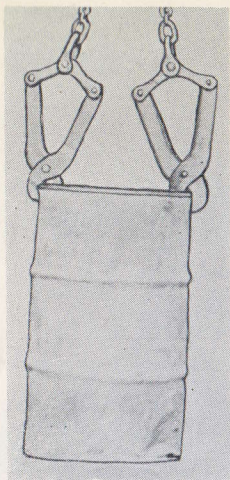
No. 97

A HORIZONTAL DRUM OR BARREL GRIP

Where time and head room is a factor, this grip fits in perfectly, as it is easy to apply and remove, and at the same time, is very safe. Made in size and capacity needed.



No. 98



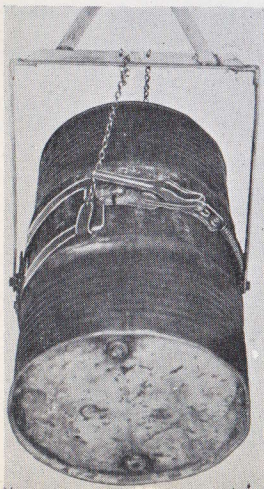
No. 99

THE DRUM TONG GRIPS

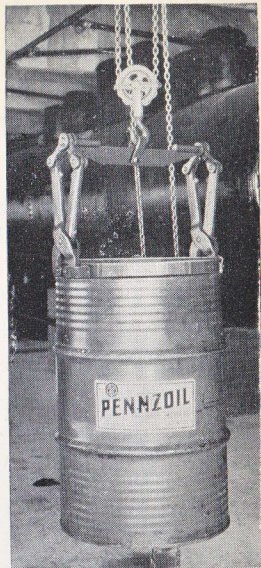
Two tong grips, connected with a cable or chain spreader, for lifting open drums, barrels, tanks, and boxes. A very positive and easily handled grip. Made to size and capacity wanted.

DRUM AND BARREL SWING GRIP

This grip has a double band, and a single draw clamp with chain adjustment for different sizes. State size and weight of barrels and drums.



No. 101



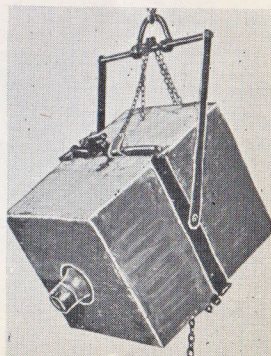
No. 100

THE TONG BAND GRIP

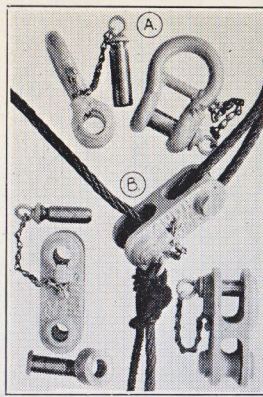
Where open drums and barrels are handled, this type of a grip is very good. It clamps the outside of the drum and will handle a heavy load with a drum made of light material, without buckling the drum. Made in sizes and capacities to suit your requirements.

BOX SWING GRIP

Picks the load vertically. The load can be turned and held in any desired position, as shown. The grip has two draw clamps for adjustment. State the size and weight of the package.



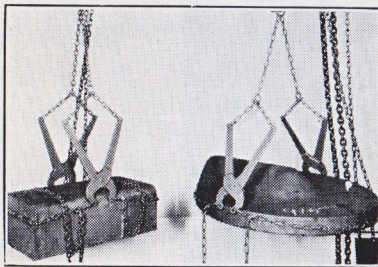
No. 102



No. 103

JERK-RELEASE SHACKLES

This shackle takes the place of the pin and screw type shackle, and is open at both ends, so the sling may be changed from a short to long as required, by simply removing a bolt. The pin is retained (so there is no danger of it falling out) by a plunger, which engages a groove in the pin, and is so designed that when the load is released, the pin can be removed from the shackle with a jerk of the hand line from any distance, and at almost any angle. Made of chrome moly steel. Patent Pending.

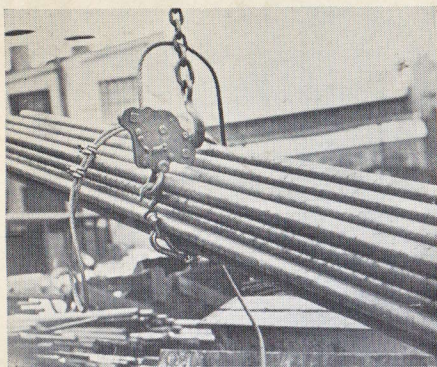


No. 104

ADJUSTABLE SLING GRIP

For use where there are various sized and shaped pieces to be handled, such as die blocks, heavy plugs, chunks of steel, pipe tanks, boilers, round or square steel rods of the larger size, drums, and barrels.

The chains are adjustable. The heavier the load, the tighter the grip. Sizes and capacities as required.

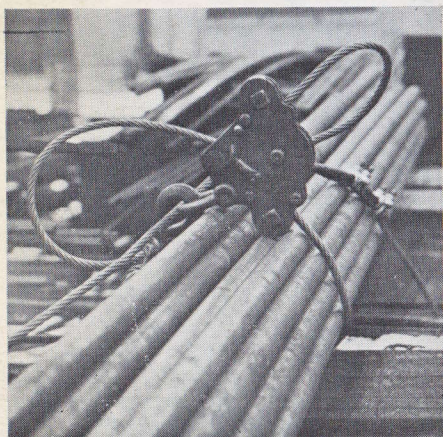


No. 105
A SEVERE TEST
THE LOAD IS IN THE AIR

SMITH

While the pictures show only two types of material being handled with the Smith Sling Binder, the same results as shown can be obtained in hundreds of other applications and on other types of material.

This is a positive binder, with the load cinched closely together. It is a quick and easy sling to use, because the cable goes through the Sling Binder over rollers, around the load, and is hooked to the grip shackle with a hook fastened to the end of the cable. When the slack in the cable is taken up, you have no kinks in your cable to contend with. The kinks are eliminated by the rollers as the load comes together.



No. 106
THE GRIP IS LOCKED

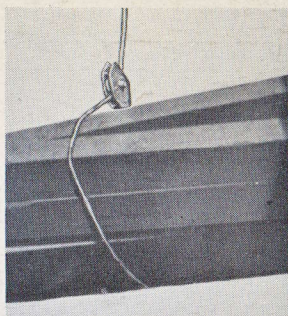
If you wish to lock the load, just turn a pin, and you can depend upon the load staying intact.

Floating logs, slabs, cord wood and lumber is ideally handled with this Binder. It is advisable to pick the load up, then drop it, to give the material a chance to locate itself. The second lift will draw it much

SLING BINDER

closer together. Then the Binder may be locked, and the load sent on its way.

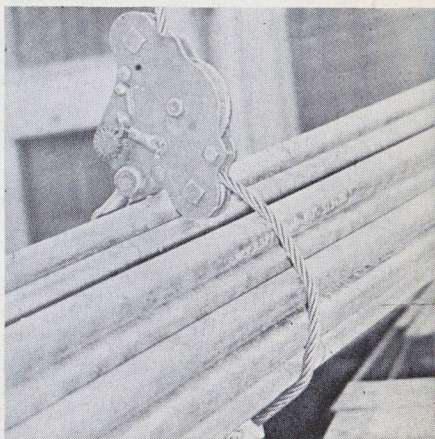
Shipping points, building operations, tubing and pipe manufacturers, pile driving and oil well operations, will find the Smith Sling Binder a worth while piece of equipment.



No. 107
16 PIECES OF 9x12 = 16 FT.

WHY? — Because you may be sure pieces will not be sliding out of a load of piling, lumber, steel beams, planking, pipes or tubing, when one or two Smith Sling Binders are used.

This Binder is furnished in cable sizes $5/16''$, $3/8''$, $1/2''$ and $5/8''$. It is advisable to let us furnish your cable and fittings with this Binder.



No. 108
LIFTING THE LOAD

In lifting a steel column or piling, this Binder takes a close, tight hold, and there is no danger of slipping after the load is landed. A pull on the hand line fastened to the Binder will release the Binder, in order to lower it.

**PATENT HAS BEEN
APPLIED FOR**

43

YEARS EXPERIENCE

in this field is back of the equipment shown on these pages



"FOLLOW THOSE WHO HAVE SUCCEEDED — NOT THOSE WHO HAVE FAILED."